

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-150126

(43)Date of publication of application : 13.06.1995

(51)Int.Cl. C09J167/02
C09J 7/00

(21)Application number : 05-299927 (71)Applicant : NITTO DENKO CORP

(22)Date of filing : 30.11.1993 (72)Inventor : TAKAOKA SEIICHI

(54) FLAME-RETARDANT ADHESIVE

(57)Abstract:

PURPOSE: To improve flame retardancy and heat resistance by compounding a thermoplastic high-molecular weight polyester with a brominated phosphoric ester and an inorg. filler.

CONSTITUTION: 100 pts.wt. thermoplastic high-molecular weight polyester is compounded with 20-150 pts.wt. brominated phosphoric ester and 1-50 pts.wt. inorg. filler. The polyester is produced by the polycondensation of a dicarboxylic acid (e.g. terephthalic acid) with a diol (e.g. ethylene glycol) and has a mol.wt. of 10,000-30,000. An example of the phosphoric ester is tris(dibromophenyl) phosphate. An example of the filler is calcium carbonate, pref. having an average particle size of about 1 μ m or lower. Regardless of the shape of the adhesive, its flame retardance and heat resistance are improved by the exposure to a radiation such as an electron beam or γ -ray. The dose of the radiation is usually 50-300kGy, though varied by various factors.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's

decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

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(19) 日本国特許庁 (J P)

(12) 公 開 特 許 公 報 (A)

(11) 特許出願公開番号

特開平7-150126

(43) 公開日 平成7年(1995)6月13日

(51) Int.Cl.⁶

C 0 9 J 167/02

7/00

識別記号

J F R

J H L

庁内整理番号

F I

技術表示箇所

審査請求 未請求 請求項の数 2 O L (全 5 頁)

(21) 出願番号 特願平5-299927

(22) 出願日 平成5年(1993)11月30日

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(54) 【発明の名称】 難燃性接着剤

(57) 【要約】

【目的】 フレキシブルプリント配線板、フラットケーブル等種々の物品に使用できる難燃性接着剤を得る。

【構成】 熱可塑性高分子量ポリエステルを主成分とし、該ポリエステル100重量部に対し、含臭素リン酸エステル20～150重量部および無機充填剤1～50重量部を配合する。